SEQUENCE LISTING

SEQ ID NO: 1

Sequence Length: 1013

Sequence Type: Nucleic acid

Stranded nos: Single

Topology Linear

Molecular Type: cDNA

Subb

GAA	rtcg	GCA	CGAG	Ż ÇΑΤ(CT GO	3 ATG	GCA	TC	CAC	TC	TAT	' GAC	TAT	TGC	AGA	49
						Met	: Ala	Sei	Thr	: Sei	Tyr	Asp	Туг	Cys	Arg	
										5	5 -	-	_	_	10	
			GAA													97
Val	Pro	Met	Glu	Asp 15	<u>GA</u> A	Asp	Lys	Arg	Cys 20	Lys	Leu	Leu	Leu	Gly 25	Ile	
			GTG													145
Gly	Ile	Leu	Val	Leu	Leu	j⁄j e	Ile	Val	Ile	Leu	Gly	Val	Pro	Leu	Ile	
			30	•				35					40			
			ATC													193
		45					9,6					55	_	-	_	
GCA	GTG	ATG	GAG	TGT	CGC	AAT	GIG/	ACC	CAT	CTC	CTG	CAA	CAA	GAG	CTG	241
Ala	Val 60	Met	Glu	Суѕ	Arg	Asn 65	Val	Thr	His	Leu	Leu 70	Gln	Gln	Glu	Leu	
ACC	GAG	GCC	CAG	AAG	GGC	TTT	CAG	GA'T	GTG	GAG	GCC	CAG	GCC	GCC	ACC	289
Thr	Glu	Ala	Gln	Lys	Gly	Phe	Gln	Asp	(Val	Glu	Ala	Gln	Ala	Ala	Thr	
75					80					85					90	
			ACT													337
Cys	Asn	His	Thr		Met	Ala	Leu	Met	Ala	Ser	Leu	Asp	Ala	Glu	Lys	
				95					100	\				105		
			CAA													385
Ala	GĻn	GLY	Gln	Lys	Lys	Val	Glu		Leu	GlÁ	Gly	Glu		Thr	Thr	
mm a	220	C > m	110		~~~	~~~		115			\		120			400
			AAG													433
rea	ASII	125	Lys	Leu	GIN	Asp	130	ser	Ala	GIU	νaτ	135	Arg	Leu	Arg	
ACA	- •		CAG	CTC	ע יויים	ACC		A C A	አጥሮ	ccc	CAC		A A C	TAC.	ጥ እ <i>C</i>	481
			Gln													401
	140					145		_			150		_		_	
			CAG													529
	Ser	Ser	Gln	Asp		Ser	Ser	Ala	Ala		Pro	Gln	Leu	Leu		
155	CMC.	·ćmo	666	C.T.C	160	00m	ama.		~~~	165	~~				170	F00
			Gly								GATC	CCAG	GA F	rec i.e	GCACA	582
Val	Leu	Leu	GIY	175	ser	AIA	Leu	Leu	180	* * *				185		
יייטיי	CCA	AGG	ጥርርር፣		<u>ነ</u> ር ጥር	СССТ	ישישישי	י ככיי		~ n m	TOCO	יייייי	יייר יו		AGTTC	642
															GGGCC	702
															GGTTG	762
															TCTCC	822
															TGGGT	882
															ACACT	942
															AATTC	1002
GGGC	CGCC	CGC	С													1013

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SEQ ID NO: 2

Sequence Length: 379

Sequence Type: Nucleic acid

Topology: Linear

Molecular Type: cDNA

Sequence

			AGC													48
Met	Gly	\mathtt{Trp}	Ser	Суз	Ile	Ile	Leu	Ser	Leu	Val	Ala	Thr	Ala	Thr	${ t Gly}$	
				-15					-10					-5		
			GAC													96
Val	His	Ser	Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Ser	Ser	Leu	Ser	Ala	
		-1	1				5	•				10				
			GAC													144
Ser		Gly	Asp	Arg	Val	Thr	Ile	Thr	Cys	Lys	Ala	Ser	Gln	Asp	Val	
	15					20					25					
			GTA													192
Asn	Thr	Ala	Val	Ala	\mathtt{Trp}	\mathtt{Tyr}	Gln	Gln	Lys	Pro	Gly	Lys	Ala	Pro	Lys	
30					35					40			•		45	
			TAC													240
Leu	Leu	Ile	Tyr	Ser	Ala	Ser	Asn	Arg	Tyr	Thr	Gly	Val	Pro	Ser	Arg	
				50					55					60		
			AGC													288
Phe	Ser	Gly	Ser	Gly	Ser	${\tt Gly}$	Thr	Asp	Phe	Thr	Phe	Thr	Ile	Ser	Ser	
			65					70	•				75			
			GAG													336
Leu	Gln		Glu	Asp	Ile	Ala	Thr	\mathtt{Tyr}	Tyr	Cys	Gln	Gln	His	Tyr	Ser	
		80					85					90				
			ACG											С		379
Thr		Phe	Thr	Phe	Gly	Gln	Gly	Thr	Lys	Val	Glu	Ile	Lys			
	95					100					105					

SEQ ID NO: 3

Sequence Length: 418

Sequence Type: Nucleic acid

Topology: Linear

Molecular Type: cDNA

Sequence

ATG	GAC	TGG	ACC	TGG	AGG	GTC	TTC	TTC	TTG	CTG	GCT	GTA	GCT	CCA	GGT	48
Met	Asp	Trp	Thr	Trp	Arg	Val	Phe	Phe	Leu	Leu	Ala	Val	Ala	Pro	Gly	
				-15					-10					-5		
GCT	CAC	TCC	CAG	GTG	CAG	CTG	GTG	CAG	TCT	GGG	GCT	GAG	GTG	AAG	AAG	96
Ala	His	Ser	Gln	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	
		-1	1				5			_		10		_	_	
CCT	GGG	GCC	TCA	GTG	AAG	GTT	TCC	TGC	AAG	GCA	TCT	GGA	TAC	ACC	TTC	144
Pro	Gly	Ala	Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	
	15					20					25	_	-			

				ATG Met												192
30		-4			35			3		40		1		1	45	
GAG	TGG	ATG	GGA	TCT	ATT	TTT	CCT	GGA	GAT	GGT	GAT	ACT	AGG	TAC	AGT	240
Glu	Trp	Met	Gly	Ser 50	Ile	Phe	Pro	Gly	Asp 55	Gly	Asp	Thr	Arg	Tyr 60	Ser	
CAG	AAG	TTC	AAG	GGC	AGA	GTC	ACC	ATG	ACC	GCA	GAC	AAG	TCC	ACG	AGC	288
Gln	Lys	Phe	Lys 65	Gly	Arg	Val	Thr	Met 70	Thr	Ala	Asp	Lys	Ser 75	Thr	Ser	
ACA	GCC	TAC	ATG	GAG	CTG	AGC	AGC	CTG	AGA	TCT	GAG	GAC	ACG	GCC	GTG	336
Thr	Ala	Tyr 80	Met	Glu	Leu	Ser	Ser 85	Leu	Arg	Ser	Glu	Asp 90	Thr	Ala	Val	
TAT	TAC	TGT	GCG	AGA	GGA	TTA	CGA	CGA	GGG	GGG	TAC	TAC	TTT	GAC	TAC	384
Tyr	Tyr 95	Суѕ	Ala	Arg	Gly	Leu 100	Arg	Arg	Gly	Gly	Tyr 105	Tyr	Phe	Asp	Tyr	
TGG	GGG	CAA	GGG	ACC	ACG	GTC	ACC	GTC	TCC	TCA	G					418
Trp 110	Gly	Gln	Gly	Thr	Thr 115	Val	Thr	Val	Ser	Ser 120						

SEQ ID NO: 4

Sequence Length: 418

Sequence Type: Nucleic acid

Topology: Linear

Molecular Type: cDNA

Sequence

ATG	GAC	TGG	ACC	TGG	AGG	GTC	TTC	TTC	TTG	CTG	GCT	GTA	GCT	CCA	GGT	48
Met	Asp	Trp	Thr	Trp	Arg	Val	Phe	Phe	Leu	Leu	Ala	Val	Ala	Pro	Gly	
				-15			•		-10					-5		
GCT	CAC	TCC	CAG	GTG	CAG	CTG	GTG	CAG	TCT	GGG	GCT	GAG	GTG	AAG	AAG	96
Ala	His	Ser	Gln	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	
		-1	1	,			- 5					10				
CCT	GGG	GCC	TÇA	GTG	AAG	GTT	TCC	TGC	AAG	GCA	TCT	GGA	TAC	ACC	TTC	144
Pro	${\tt Gly}$	Ala	Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	\mathtt{Gly}	\mathtt{Tyr}	Thr	Phe	
	15					20					25					
ACT	CCC	TAC	TGG	ATG	CAG	TGG	GTG	CGA	CAG	GCC	CCT	GGA	CAA	GGG	CTT	192
	Pro	Tyr	\mathtt{Trp}	Met	Gln	\mathtt{Trp}	Val	Arg	Gln	Ala	Pro	Gly	Gln	${ t Gly}$		
30					35					40					45	
GAG	TGG	ATG	GGA	TCT	ATT	TTT	CCT	GGA	GAT	GGT	GAT	ACT	AGG	TAC	AGT	- 240
Glu	Trp	Met	Gly	Ser	Ile	Phe	Pro	Gly	Asp	${ t Gly}$	Asp	Thr	Arg	Tyr	Ser	
				50					55					60		
CAG	AAG	TTC	AAG	GGC	AGA	GTC	ACC	ATC	ACC	GCA	GAC	AAG	TCC	ACG	AGC	288
Gln	Lys	.Phe	_	Gly	Arg	Val	Thr	Ile	Thr	Ala	Asp	Lys		Thr	Ser	
•			65					70					75			
ACA	GCC	TAC	ATG	GAG	CTG	AGC	AGC	CTG	AGA	TCT	GAG	GAC	ACG	GCC	GTG	. 336
Thr	Ala	-	Met	Glu	Leu	Ser	Ser	Leu	Arg	Ser	Glu	Asp	Thr	Ala	Val	
		80					85					90				_
TAT	TAC	TGT	GCG	AGA	GGA	ATT	CGA	CGA	GGG	GGG	TAC	TAC	TTT	GAC	TAC	384
Tyr	_	Cys	Ala	Arg	Gly	Leu	Arg	Arg	Gly	Gly	Tyr	Tyr	Phe	Asp	Tyr	
	95					100					105					
TGG	GGG	CAA	GGG	ACC	ACG	GTC	ACC	GTC	TCC	TCA	G					418
-	Gly	Gln	Gly	Thr	Thr	Val	Thr	Val	Ser	Ser						
110					115					120						

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